DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
Office of Structural Materials
Quality Assurance and Source Inspection

Bay Area Branch
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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.15

SOURCE INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: SIR-003038
Date Inspected: 08-Dec-2010

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

OSM Arrival Time: 700
OSM Departure Time: 1900
Location: Changxing Dao, Shangha

Quality Control Contact:	Don Walton	**Quality Control Present:**	☑ Yes ☐ No
Material transfer:	☐ Yes ☐ No ☑ N/A	**Sampled Items:**	☐ Yes ☐ No ☑ N/A
Stock Transfer:	☐ Yes ☐ No ☑ N/A	**OK to Cut:**	☐ Yes ☐ No ☑ N/A
Rebar Test Witness:	☐ Yes ☐ No ☑ N/A	**Delayed/Cancelled:**	☐ Yes ☐ No ☑ N/A
Other:	Coatings Inspection		
Bridge No:	34-0006	**Component:**	OBG, Sub-Assemblies (OBG) and Office.
Bid Item:	77, 78, 79	**Lot No:**	

Summary of Items Observed:

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Kenneth W. Cason Jr. arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections is to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

OBG

L11W (11AW, 11BW, 11CW and 11DW) Counterweight Assembly Areas, NOI Number 5276: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on L11W (11AW, 11BW, 11CW and 11DW) Counterweight Assembly Areas. Test results recorded x3 surface profile readings in the range of 78 to 81 µm. No discrepancies noted. ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Sub-Assemblies (OBG)

Crash Barriers External Surfaces (23 Each), NOI Number 5277: This inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation in accordance with SSPC-SP 1 in preparation for finish coat installation on Crash Barriers External Surfaces (23 Each). Discrepancies noted on W2-SB9-065 PP96-96.5 and W2-SB10-027 PP88.5-89. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection. No discrepancies noted in remaining 21 barriers. ABF Quality Assurance

personnel instructed ZPMC to proceed with process to the next check point.

Crash Barriers External Surfaces (23 Each), NOI Number 5278: In accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives recorded the results of adhesion testing. Crash Barriers External Surfaces (23 Each) x2 readings recorded are 7.22 mPa 80% c and 8.99 mPa 95% c. No discrepancies noted. ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Crash Barriers (8 each), NOI Number 5279: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Crash Barriers (8 each) in preparation for blasting operations. No discrepancies noted. ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Crash Barriers (25 Each), Splices (293 Each) and Cable Supports (10 Each), NOI Number 5282: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on Crash Barriers (25 Each), Splices (293 Each) and Cable Supports (10 Each). Test results recorded x1 soluble salts reading of 19.2 (µs/cm) and x6 surface profile readings in the range of 76 to 82 µm. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection on Crash Barriers due to insufficient surface preparation (grinding and additional blasting required) and proceed with process to the next check point on Splices (293 Each) and Cable Supports (10 Each).

Office

Attend to report writing and photo documentation.

Note: Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By:	Cason,Kenneth	Quality Assurance Inspector
Reviewed By:	Miller,Mark	QA Reviewer